

EFFICIENT QUADRATURE CODE POSITION MODULATIONABSTRACT

- 5 A technique and apparatus for implementing code position modulation
(CPM) on in-phase and quadrature-phase components of a radio frequency (RF)
carrier. The technique simplifies the modulation/demodulation process by
requiring only one pseudo-noise (PN) sequence to be stored in the transceiver
device. As a consequence, only a single unique PN sequence needs to be
10 stored in the transceiver, thus resulting in a reduction of circuit complexity.